

Table 5.10d
Unadjusted Graft Survival, Living Donor Kidney Transplants
Survival at 3 Months, 1 Year, 5 Years, and 10 Years

	3 Months			1 Year			5 Years			10 Years		
	(Tx 2006 - 2007)			(Tx 2006 - 2007)			(Tx 2002 - 2007)			(Tx 1997 - 2007)		
	N	%	Std. Err.	N	%	Std. Err.	N	%	Std. Err.	N	%	Std. Err.
Total												
All	12,462	98.1%	0.1%	12,462	96.3%	0.2%	38,350	81.4%	0.3%	62,864	59.4%	0.4%
Age at Tx												
<1 Year	6	83.3%	15.2%	6	83.3%	15.2%	15	86.7%	8.8%	36	87.5%	6.0%
1-5 Years	158	99.4%	0.6%	158	98.7%	0.9%	552	91.6%	1.4%	979	80.7%	2.1%
6-11 Years	133	96.2%	1.7%	133	96.2%	1.7%	514	85.4%	1.9%	1,005	66.6%	2.7%
12-17 Years	312	97.7%	0.8%	312	96.1%	1.1%	1,208	75.6%	1.7%	2,200	51.9%	2.1%
18-34 Years	2,468	97.9%	0.3%	2,468	96.1%	0.4%	7,975	79.8%	0.6%	14,300	59.8%	0.7%
35-49 Years	3,857	98.2%	0.2%	3,857	96.8%	0.3%	12,044	84.5%	0.5%	20,372	64.1%	0.7%
50-64 Years	4,282	98.1%	0.2%	4,282	96.3%	0.3%	12,580	81.5%	0.5%	19,227	56.0%	0.8%
65+ Years	1,246	98.0%	0.4%	1,246	95.6%	0.6%	3,462	73.7%	1.1%	4,745	38.7%	1.9%
Recipient Ethnicity/Race												
White	8,453	98.1%	0.1%	8,453	96.3%	0.2%	25,960	82.2%	0.3%	42,869	60.6%	0.5%
African American	1,768	97.7%	0.4%	1,768	95.4%	0.5%	5,661	73.3%	0.8%	9,242	45.6%	1.1%
Hispanic/Latino	1,607	97.8%	0.4%	1,607	96.9%	0.4%	4,830	85.0%	0.7%	7,719	66.2%	1.1%
Asian	492	99.0%	0.5%	492	97.7%	0.7%	1,481	88.8%	1.2%	2,408	70.0%	2.1%
Other/Multi-race	142	99.3%	0.7%	142	97.2%	1.4%	415	80.6%	2.8%	623	56.5%	4.3%
Unknown	0	-	-	0	-	-	3	66.7%	27.2%	3	+	+
Recipient Gender												
Female	4,845	97.7%	0.2%	4,845	95.9%	0.3%	15,470	81.1%	0.4%	25,772	59.0%	0.6%
Male	7,617	98.3%	0.1%	7,617	96.6%	0.2%	22,880	81.6%	0.4%	37,092	59.6%	0.5%
Recipient Blood Type												
O	5,561	98.0%	0.2%	5,561	96.3%	0.3%	17,342	81.3%	0.4%	28,416	59.7%	0.6%
A	4,819	98.0%	0.2%	4,819	96.2%	0.3%	14,604	81.7%	0.5%	24,008	59.0%	0.6%
B	1,593	98.2%	0.3%	1,593	96.5%	0.5%	4,949	80.9%	0.8%	8,066	58.7%	1.1%
AB	489	98.2%	0.6%	489	96.9%	0.8%	1,455	81.4%	1.4%	2,368	60.5%	1.9%
Unknown	0	-	-	0	-	-	0	-	-	6	80.0%	17.9%
Previous Kidney Tx												
No	11,177	98.1%	0.1%	11,177	96.5%	0.2%	34,288	81.9%	0.3%	56,493	59.8%	0.4%
Yes	1,285	97.5%	0.4%	1,285	94.8%	0.6%	4,062	77.7%	0.9%	6,371	55.3%	1.3%

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Total												
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Recipient Residency												
U.S. Resident	12,373	98.0%	0.1%	12,373	96.3%	0.2%	38,036	81.4%	0.3%	62,231	59.3%	0.4%
Nonresident Alien	86	98.8%	1.2%	86	96.3%	2.1%	310	86.9%	2.5%	581	72.2%	4.7%
Unknown	3	100.0%	0.0%	3	100.0%	0.0%	4	100.0%	0.0%	52	42.6%	8.6%
Hospitalized at Tx												
Not Hospitalized	12,248	98.1%	0.1%	12,248	96.4%	0.2%	37,598	81.5%	0.3%	61,409	59.6%	0.4%
Hospitalized	183	92.9%	1.9%	183	90.6%	2.2%	652	78.1%	2.1%	1,266	52.3%	2.6%
In Intensive Care	23	95.7%	4.3%	23	95.7%	4.3%	92	76.8%	5.7%	168	44.7%	7.3%
Unknown	8	100.0%	0.0%	8	100.0%	0.0%	8	+	+	21	78.6%	13.9%
Primary Diagnosis												
Glomerular Diseases	3,643	97.8%	0.2%	3,643	96.3%	0.3%	11,412	83.0%	0.5%	19,236	64.6%	0.6%
Diabetes	2,639	98.4%	0.2%	2,639	96.5%	0.4%	8,136	77.2%	0.7%	13,161	48.0%	0.9%
Hypertensive												
Nephrosclerosis	2,035	98.0%	0.3%	2,035	96.0%	0.4%	5,463	78.9%	0.8%	8,125	52.7%	1.2%
Polycystic Kidneys	1,320	98.1%	0.4%	1,320	97.2%	0.5%	3,910	89.3%	0.7%	5,921	73.6%	1.3%
Tubular and Interstitial Diseases	711	97.7%	0.6%	711	96.1%	0.7%	2,456	81.6%	1.1%	4,325	61.3%	1.3%
Renovascular & Other Vascular Diseases	250	97.2%	1.0%	250	95.1%	1.4%	1,130	79.2%	1.5%	2,097	49.3%	2.4%
Congenital, Rare Familial, & Metabolic Disorders	460	98.0%	0.6%	460	95.4%	1.0%	1,594	83.0%	1.3%	2,649	66.6%	1.7%
Neoplasms	49	100.0%	0.0%	49	98.0%	2.0%	161	78.1%	4.4%	262	61.6%	5.9%
Other	1,250	98.2%	0.4%	1,250	96.2%	0.5%	3,614	81.1%	0.9%	6,051	61.1%	1.3%
Unknown	105	99.0%	0.9%	105	98.1%	1.4%	474	79.9%	2.2%	1,037	57.2%	2.9%

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Total												
All	12,462	98.1%	0.1%	12,462	96.3%	0.2%	38,350	81.4%	0.3%	62,864	59.4%	0.4%
PRA at Transplant												
0-9%	7,181	98.1%	0.2%	7,181	96.5%	0.2%	20,112	81.7%	0.4%	30,097	58.4%	0.6%
10-79%	1,141	98.2%	0.4%	1,141	96.3%	0.6%	2,702	79.9%	1.2%	3,632	53.5%	2.1%
80%+	202	96.0%	1.4%	202	93.5%	1.7%	517	69.2%	3.2%	651	52.9%	4.5%
Unknown	3,938	98.1%	0.2%	3,938	96.1%	0.3%	15,019	81.6%	0.4%	28,484	60.5%	0.5%
Yearly Center Volume												
0-12	195	96.4%	1.3%	195	95.9%	1.4%	589	79.8%	2.2%	1,500	60.7%	2.3%
13-28	543	97.4%	0.7%	543	96.8%	0.8%	1,933	81.2%	1.2%	4,062	59.6%	1.5%
29-47	1,027	97.0%	0.5%	1,027	94.6%	0.7%	3,397	79.7%	0.9%	6,403	56.7%	1.2%
48-81	2,020	98.3%	0.3%	2,020	97.0%	0.4%	7,408	82.3%	0.6%	13,505	59.8%	0.8%
82+	8,677	98.2%	0.1%	8,677	96.4%	0.2%	25,023	81.4%	0.3%	37,394	59.6%	0.5%
Dialysis Needed Within First Week After Tx												
No	11,966	98.8%	0.1%	11,966	97.2%	0.2%	36,665	82.8%	0.3%	59,828	60.7%	0.4%
Yes	487	78.6%	1.9%	487	73.9%	2.0%	1,676	50.4%	1.6%	2,925	32.8%	1.6%
Unknown	9	100.0%	0.0%	9	100.0%	0.0%	9	+	+	111	63.6%	5.1%
Donor Age												
6-11 Years	0	-	-	0	-	-	0	-	-	1	0.0%	0.0%
12-17 Years	3	100.0%	0.0%	3	100.0%	0.0%	5	100.0%	0.0%	12	66.7%	27.2%
18-34 Years	3,900	98.3%	0.2%	3,900	97.1%	0.3%	12,331	82.8%	0.5%	20,801	61.9%	0.6%
35-49 Years	5,604	98.0%	0.2%	5,604	96.4%	0.3%	17,782	81.7%	0.4%	29,206	59.4%	0.6%
50-64 Years	2,802	98.0%	0.3%	2,802	95.5%	0.4%	7,842	79.4%	0.7%	12,191	56.3%	1.0%
65+ Years	152	96.7%	1.4%	152	92.6%	2.1%	389	60.9%	3.7%	644	29.2%	3.7%
Unknown	1	0.0%	0.0%	1	0.0%	0.0%	1	0.0%	0.0%	9	+	+
Relation of Donor to Recipient												
Parent	1,210	98.1%	0.4%	1,210	96.4%	0.5%	4,221	80.0%	0.8%	8,079	58.9%	0.9%
Offspring	2,206	98.4%	0.3%	2,206	97.1%	0.4%	6,914	79.7%	0.7%	11,034	52.4%	1.0%
Sibling	3,268	98.0%	0.2%	3,268	96.5%	0.3%	10,759	84.8%	0.5%	19,665	65.2%	0.6%
Other Relative	981	98.9%	0.3%	981	97.0%	0.5%	2,966	78.2%	1.1%	4,715	55.8%	1.5%
Spouse	1,530	98.2%	0.3%	1,530	95.8%	0.5%	4,546	79.8%	0.8%	7,416	56.2%	1.2%
Other Unrelated	3,009	97.5%	0.3%	3,009	95.5%	0.4%	8,378	81.1%	0.6%	11,182	56.3%	1.4%
Unknown	258	98.0%	0.9%	258	96.8%	1.1%	566	80.4%	2.6%	773	63.9%	3.6%

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Total												
All	12,462	98.1%	0.1%	12,462	96.3%	0.2%	38,350	81.4%	0.3%	62,864	59.4%	0.4%
A Locus Mismatch												
0	2,824	98.3%	0.2%	2,824	96.8%	0.3%	9,154	84.5%	0.5%	16,113	65.4%	0.7%
1	6,624	98.1%	0.2%	6,624	96.3%	0.2%	20,575	80.5%	0.4%	33,661	57.6%	0.5%
2	2,882	97.9%	0.3%	2,882	95.8%	0.4%	8,306	80.3%	0.6%	12,239	55.6%	1.1%
Unknown	132	96.9%	1.5%	132	96.1%	1.7%	315	79.7%	3.2%	851	53.4%	2.7%
B Locus Mismatch												
0	1,933	98.1%	0.3%	1,933	96.9%	0.4%	6,366	86.0%	0.6%	11,508	67.2%	0.8%
1	6,341	98.3%	0.2%	6,341	96.7%	0.2%	19,853	80.8%	0.4%	32,991	58.1%	0.5%
2	4,056	97.7%	0.2%	4,056	95.5%	0.3%	11,816	79.9%	0.5%	17,514	55.7%	0.9%
Unknown	132	96.9%	1.5%	132	96.1%	1.7%	315	79.7%	3.2%	851	53.6%	2.7%
DR Locus Mismatch												
0	2,678	98.6%	0.2%	2,678	97.2%	0.3%	8,565	84.6%	0.5%	15,065	66.5%	0.7%
1	6,566	97.9%	0.2%	6,566	96.3%	0.2%	20,547	80.9%	0.4%	33,787	57.1%	0.5%
2	3,087	98.0%	0.3%	3,087	95.6%	0.4%	8,915	79.4%	0.6%	13,106	56.0%	1.0%
Unknown	131	96.9%	1.5%	131	96.1%	1.7%	323	80.9%	3.0%	906	54.4%	2.5%
Total Mismatch												
0	1,067	98.1%	0.4%	1,067	97.1%	0.5%	3,458	89.2%	0.7%	6,429	73.1%	1.0%
1	673	98.8%	0.4%	673	97.0%	0.7%	2,281	82.4%	1.1%	4,032	61.5%	1.5%
2	2,108	98.3%	0.3%	2,108	97.0%	0.4%	6,878	81.3%	0.6%	11,855	59.3%	0.8%
3	3,515	98.1%	0.2%	3,515	96.6%	0.3%	11,054	80.5%	0.5%	18,305	56.6%	0.7%
4	1,802	98.1%	0.3%	1,802	95.8%	0.5%	5,147	81.0%	0.8%	7,844	58.7%	1.3%
5	2,050	97.9%	0.3%	2,050	95.6%	0.5%	6,001	79.5%	0.7%	8,910	55.8%	1.2%
6	1,114	97.4%	0.5%	1,114	95.3%	0.6%	3,205	79.4%	1.0%	4,575	52.6%	1.9%
Unknown	133	97.0%	1.5%	133	96.2%	1.7%	326	80.8%	3.0%	914	54.5%	2.5%

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Transplant Center State												
Alabama	305	99.3%	0.5%	305	98.7%	0.7%	973	79.8%	1.9%	1,570	59.7%	2.4%
Arkansas	53	100.0%	0.0%	53	98.1%	1.9%	207	80.4%	3.7%	419	52.2%	4.2%
Arizona	340	98.2%	0.7%	340	96.4%	1.0%	906	82.9%	1.8%	1,330	65.8%	3.1%
California	1,327	99.5%	0.2%	1,327	98.2%	0.4%	4,132	84.8%	0.8%	6,902	61.9%	1.2%
Colorado	225	97.8%	1.0%	225	96.9%	1.2%	573	82.1%	2.4%	936	58.2%	3.4%
Connecticut	113	97.3%	1.5%	113	96.5%	1.7%	335	83.7%	2.7%	690	66.1%	3.0%
District of Columbia	172	98.8%	0.8%	172	97.6%	1.2%	564	80.4%	2.4%	1,044	54.3%	3.4%
Delaware	9	88.9%	10.5%	9	88.9%	10.5%	19	94.7%	5.1%	26	+	+
Florida	422	97.6%	0.7%	422	95.2%	1.1%	1,251	79.2%	1.7%	2,023	58.9%	2.1%
Georgia	236	97.9%	0.9%	236	97.0%	1.1%	735	82.9%	2.0%	1,124	62.6%	3.3%
Hawaii	27	96.3%	3.6%	27	96.3%	3.6%	108	81.1%	5.6%	154	71.3%	5.6%
Iowa	71	100.0%	0.0%	71	98.6%	1.4%	286	83.4%	2.9%	538	54.5%	4.0%
Illinois	692	98.1%	0.5%	692	96.5%	0.7%	2,015	80.1%	1.2%	3,066	61.0%	1.9%
Indiana	199	99.0%	0.7%	199	97.4%	1.1%	481	87.5%	2.2%	748	65.1%	3.4%
Kansas	40	97.5%	2.5%	40	94.9%	3.5%	142	78.8%	4.6%	255	66.2%	4.2%
Kentucky	70	97.1%	2.0%	70	95.7%	2.4%	229	80.2%	3.7%	402	61.1%	4.6%
Louisiana	149	98.7%	0.9%	149	95.1%	1.8%	473	75.3%	2.9%	765	59.1%	3.1%
Massachusetts	422	96.9%	0.8%	422	96.0%	1.0%	1,218	83.6%	1.5%	2,050	62.2%	2.1%
Maryland	361	97.8%	0.8%	361	93.8%	1.3%	1,113	80.5%	1.7%	2,125	51.8%	2.3%
Maine	51	98.0%	1.9%	51	92.2%	3.8%	154	84.3%	3.6%	269	53.0%	7.1%
Michigan	464	97.4%	0.7%	464	95.6%	1.0%	1,548	79.8%	1.3%	2,658	56.9%	1.7%
Minnesota	690	98.1%	0.5%	690	96.4%	0.7%	2,217	78.9%	1.2%	3,547	59.1%	1.5%
Missouri	276	97.1%	1.0%	276	95.5%	1.3%	754	82.0%	1.9%	1,341	59.3%	2.5%
Mississippi	3	66.7%	27.2%	3	66.7%	27.2%	8	65.6%	20.9%	26	53.3%	11.5%
North Carolina	240	98.3%	0.8%	240	95.7%	1.3%	895	82.0%	1.7%	1,539	60.2%	2.2%
North Dakota	46	100.0%	0.0%	46	100.0%	0.0%	155	85.2%	3.5%	242	60.4%	6.2%
Nebraska	130	98.5%	1.1%	130	96.9%	1.5%	327	82.8%	2.9%	477	62.8%	5.5%
New Hampshire	43	97.7%	2.3%	43	97.7%	2.3%	103	91.9%	3.8%	154	66.4%	9.7%
New Jersey	354	97.5%	0.8%	354	95.7%	1.1%	1,082	83.1%	1.6%	1,641	60.7%	2.8%
New Mexico	39	94.9%	3.5%	39	94.9%	3.5%	134	80.9%	4.5%	239	69.2%	4.6%
Nevada	25	100.0%	0.0%	25	100.0%	0.0%	93	78.8%	5.8%	180	48.0%	9.2%
New York	1,027	97.3%	0.5%	1,027	95.8%	0.6%	2,946	81.7%	1.0%	4,704	56.5%	1.6%
Ohio	713	97.6%	0.6%	713	94.6%	0.8%	2,194	79.1%	1.2%	3,297	56.6%	1.8%
Oklahoma	42	95.2%	3.3%	42	92.8%	4.0%	178	78.7%	3.8%	312	60.5%	4.6%
Oregon	162	98.1%	1.1%	162	97.5%	1.2%	588	84.2%	2.0%	940	68.6%	2.8%

(Continued)

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

(+) = Values not determined due to insufficient follow-up. (-) = Values not determined since there were no transplants in the category.

Cohorts are transplants performed during the years listed at the top of the table.

Graft survival follows individual transplants until graft failure. Counts for patient and graft survival are different because a patient may have more than one transplant for a type of organ.

Center volume = Center's yearly transplants performed during the base period, based on kidney and kidney-pancreas transplants.

Multi-organ transplants are excluded.

Dialysis needed within first week excludes patients whose graft failed before the end of the week.

Table 5.10d (Continued)
Unadjusted Graft Survival, Living Donor Kidney Transplants
Survival at 3 Months, 1 Year, 5 Years, and 10 Years

	3 Months			1 Year			5 Years			10 Years		
	(Tx 2006 - 2007)			(Tx 2006 - 2007)			(Tx 2002 - 2007)			(Tx 1997 - 2007)		
	N	%	Std. Err.	N	%	Std. Err.	N	%	Std. Err.	N	%	Std. Err.
Transplant Center State												
Pennsylvania	629	98.3%	0.5%	629	96.8%	0.7%	1,995	78.4%	1.3%	3,075	58.4%	1.8%
Puerto Rico	23	100.0%	0.0%	23	100.0%	0.0%	123	84.5%	3.9%	267	63.8%	4.4%
Rhode Island	55	100.0%	0.0%	55	100.0%	0.0%	193	83.7%	3.2%	325	53.7%	6.0%
South Carolina	71	97.2%	2.0%	71	97.2%	2.0%	172	75.9%	5.2%	353	40.3%	5.0%
South Dakota	31	100.0%	0.0%	31	93.5%	4.4%	108	78.0%	6.0%	133	+	+
Tennessee	268	97.4%	1.0%	268	93.6%	1.5%	885	79.2%	1.9%	1,452	54.4%	2.4%
Texas	695	97.0%	0.7%	695	95.5%	0.8%	2,093	81.9%	1.1%	3,427	61.5%	1.6%
Utah	190	100.0%	0.0%	190	99.5%	0.5%	514	85.6%	2.1%	870	62.6%	3.1%
Virginia	359	98.6%	0.6%	359	97.8%	0.8%	1,134	78.3%	1.7%	1,783	54.9%	2.3%
Vermont	28	96.4%	3.5%	28	89.3%	5.8%	64	87.2%	4.6%	103	78.6%	6.1%
Washington	216	99.1%	0.7%	216	98.1%	0.9%	754	83.9%	1.8%	1,380	60.5%	2.4%
Wisconsin	335	97.9%	0.8%	335	95.8%	1.1%	1,080	83.4%	1.5%	1,774	63.9%	2.0%
West Virginia	24	100.0%	0.0%	24	95.8%	4.1%	99	81.7%	5.1%	189	51.6%	7.0%

Source: OPTN/SRTR Data as of May 4, 2009.

Notes:

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